Request to Archive
With The National Centers for Environmental Information
For VIIRS Reflective Solar Band (RSB) Automatic Calibration (AutoCal) History
Provided by IDPS

2014-08-19

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

Janna Feeley
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2. Name the organization or group responsible for creating the dataset.

NASA > National Aeronautics and Space Administration

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

The VIIRS Reflective Solar Band (RSB) Automatic Calibration (AutoCal) History file contains the last 20 updates of the RSB, F, H, DNB LGS gain, DNB dark Signal, DNB gain ratios, and solar processing data. This data is formatted as Auxiliary data. The description of the data is provided in the same form as that of other auxiliary data where only the table of definitions is provided, but not a product profile. The Solar Diffuser history is updated every orbit by adding the Solar Diffuser data taken during that orbit. The period over which the Solar Diffuser data is collected is limited to approximately one minute per orbit.
This dataset is a required auxiliary input to the VIIRS SDR code. Any user interested in offline processing of S-NPP data will need this product.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 2013-11-14
Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:

N/A

6. Describe the level to which the data are processed. For example, are these unprocessed raw observations, derived parameters, quality controlled or inter-calibrated data, etc.?

VIIRS Auxiliary data

7. Approximate date when the dataset was or will be released to the public:

2013-11-14

8. Who are the expected users of the archived data? How will the archived data be used?

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9. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

No

10. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

This dataset is a required auxiliary input to the VIIRS SDR code. Any user interested in offline processing of S-NPP data will need this product.
This file (VIIRS-RSBAUTOCAL-HISTORY-AUX)replaces VIIRS Solar Diffuser History RIP Format (VIIRS-SOLAR-DIFF-AGG-HISTORY-AUX).

11. List the input datasets and ancillary information used to produce the data.

Solar Diffuser data, other

12. List web pages and other links that provide information on the data.

HDF5 attributes

13. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. The format and description of this file is documented in the JPSS IDFCB Volume III.
2. File naming convention for all aux files is documented in the CDFCB-X Volume I.

14. Indicate the data file format(s).

1. HDF5

15. Are the data files compressed?

No

16. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

File name follows the S-NPP convention: VIIRS-RSBAUTOCAL-HISTORY-AUX_npp_20131115000430Z_20131114000000Z_ee00000000000000Z_-_noaa_ops_all-_ops.h5

17. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

18. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume:	2.3GB
Number of Data Files:	530

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate:	4.4MB per Day
Data File Frequency:	2 per Day
Data Production Start:	2013-11-14

19. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

No additional updates, revisions or replacement data are anticipated.

20. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: Silver Spring, MD
System Name: IDPS/GRAVITE
System Owner: NASA > National Aeronautics and Space Administration
Additional Information:

21. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PUSH

22. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

1. User interface to order and stage data for download

23. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

24. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

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25. Are the data archived at another facility or are there plans to do so? Please explain.

No

26. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

JPSS archive requirements
S-NPP submission agreement

27. Do you have a data management plan for your data?

No

28. Have funds been allocated to archive the data at NCEI?

JPSS funds

29. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

N/A

30. Is there a desired deadline for NCEI to archive and provide access to the data?

Archive by: 2014-09-24
Accessible by:

31. Add any other pertinent information for this request.

Most days 2 files per day with a few days only 1 file a day. The norm is two files per day. Each file is ~2.2 MB.

This request was submitted by Philip Jones (NCDC).